

**To:** Christoph Goss[christoph.goss@deereault.com]  
**Cc:** Way, Steven[way.steven@epa.gov]; Matt Francis[m.francis@erllc.com]; Allen Sorrenson - DNR[allen.sorenson@state.co.us]; Petri, Elliott[Elliott.Petri@WestonSolutions.com]  
**From:** Griswold, Hays  
**Sent:** Mon 8/31/2015 11:10:45 PM  
**Subject:** Portal Area

Christoph, I'll be working on the Gold King portal stabilization etc. with Harrison Western and yourself. Give me a call when you get a chance at 303 886 1633 and let me know the status of your plan per the conference call a while back and your availability to discuss it.

Thank you

Hays

Sent from my iPad

> On Aug 23, 2015, at 7:17 PM, Christoph Goss <christoph.goss@deereault.com> wrote:

>

> I think that there are lots of options for the temporary structure. The key is for it to be something that can be quickly constructed using materials and equipment on site.

>

> Christoph

>

>

>

>> On Aug 23, 2015, at 12:55 PM, Way, Steven <way.steven@epa.gov> wrote:

>>

>> Hello all,

>>

>> We discussed this option with the ERRS site management team. The option that I would like to pursue in the short-term is getting the larger precast block (e.g., 3 ft x 3 ft x 4 or 5 ft / interlocking as used at Beldon site). They are in Farmington, NM.

>>

>> In the meantime, ERRS was asked to transport two of the precast plates/slabs 3ft x 12ft x 0.5 ft to the top of the GK dump.

>>

>> I believe the block would be more easily secured, more stable and more effective. However, we need to determine availability.

>>

>> Any thoughts - we can talk Monday.

>>

>> Thanks,

>> Steve

>>

>> Steven Way

>> Federal On-Scene Coordinator

>> Emergency Response Unit

>> US EPA - Region 8

>> 1595 Wynkoop Street

>> Denver, CO 80202

>>

>> Office: 303-312-6723

>>

>> -----Original Message-----

>> From: Griswold, Hays

>> Sent: Friday, August 21, 2015 3:51 PM  
>> To: Matt Francis  
>> Cc: Way, Steven; Allen Sorrenson - DNR  
>> Subject: Re: surge structure  
>>  
>> They can be put in long ways for more stability and filter fabric added for more filtering and way over engineered in thickness of the structure to ensure they hold. Could incorporate the precast slabs for added stability. They could be built in place to conform pretty well to the side walls of the opening...much flexibility in the building of them.  
>>  
>> The one I built in California withstood a 100+ year storm and flood with ease (nothing else did)...  
>>  
>> Hays  
>>  
>> Sent from my iPad  
>>  
>>> On Aug 21, 2015, at 3:38 PM, Matt Francis <m.francis@erllc.com> wrote:  
>>>  
>>> And I suspect we have way more than needed after altering road repair plan.  
>>>  
>>>  
>>>  
>>> Sent via the Samsung Galaxy Note(r) 3, an AT&T 4G LTE smartphone  
>>>  
>>>  
>>> ----- Original message -----  
>>> From: "Griswold, Hays" <Griswold.Hays@epa.gov>  
>>> Date: 08/21/2015 3:37 PM (GMT-07:00)  
>>> To: "Way, Steven" <way.steven@epa.gov>, Matt Francis <m.francis@erllc.com>, Allen Sorrenson - DNR <allen.sorenson@state.co.us>  
>>> Subject: surge structure  
>>>  
>>> It just occurred to me that you could build the structure at the portal out of gabion baskets. You have immediate access to source. They are flexible enough to build as strong as desired as thick as desired can reinforce with concrete as doing in the road. Easy to build and take out. They would halt a surge and allow slow flow through which can be somewhat controlled by the size of material placed in them. Plenty of material cheap in the area...something to consider...  
>>>  
>>> Hays  
>>>  
>>> Sent from my iPad  
>>>  
>>>  
>>> Confidentiality Warning: This e-mail and any attachments contain information intended only for the use of the individual or entity named above. If the reader of this e-mail is not the intended recipient or the employee or agent responsible for delivering it to the intended recipient, any dissemination, publication or copying of this e-mail is strictly prohibited. Although this email has been scanned for malware, the sender does not accept any responsibility for any loss, disruption or damage to your data or computer system that may occur while using data contained in, or transmitted with, this e-mail. If you have received this e-mail in error, please immediately notify by return e-mail. Thank you.